

PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE HOUSTON/GALVESTON TX
917 PM CDT THU SEP 4 2014

...NO 100 DEGREE DAYS AT FIRST ORDER CLIMATE SITES SO FAR IN 2014...

SO FAR THE YEAR OF 2014 HAS NOT OBSERVED A 100 DEGREE DAY (DEFINED AS THE HIGH TEMPERATURE AT OR ABOVE 100 DEGREES) AT THE FOUR FIRST ORDER CLIMATE SITES OF COLLEGE STATION (KCLL), CITY OF HOUSTON (KIAH), HOUSTON HOBBY (KHOU), AND THE CITY OF GALVESTON (KGLS). HOW NORMAL IS THIS THOUGH? LETS FIRST LOOK AT THE 30 YEAR AVERAGES (1981-2010) TO SEE ON AVERAGE HOW MANY 100 DEGREE DAYS THERE ARE IN A YEAR.

AVERAGE NUMBER OF 100 DEGREE DAYS (1981 - 2010)

SITE	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
CLL	0.1	1.1	4.5	7.4	1.1	14.1
IAH	0.0	0.4	1.4	2.4	0.4	4.6
HOU	0.0	0.3	0.5	0.7	0.2	1.7
GLS	0.0	0.0	0.0	0.0	0.1	0.1

SO ON AVERAGE THERE ARE AROUND 14 100 DEGREE DAYS AT COLLEGE STATION IN A YEAR. THIS YEAR WE HAVE HAD NONE. IF THE AREA FINISHES THE YEAR WITHOUT ANY 100 DEGREE DAYS WHAT WOULD BE THE LAST YEAR THIS HAS HAPPENED? THE LAST TIME IT FAILED TO REACH 100 DEGREES FOR EACH SITE IS LISTED BELOW:

SITE	LAST YEAR NO 100 DEGREE DAYS
CLL	2004
IAH	1997
HOU	2010
GLS	2013

HOW OFTEN DOES THIS HAPPEN THOUGH? DATA WAS COMPILED FOR THE LAST 50 YEARS (1965- 2014) TO DETERMINE THE AMOUNT OF YEARS THAT EACH RESPECTIVE SITE ABOVE FAILED AND REACHED 100 DEGREES. A TABLE OF THE RESULTS ARE SUMMARIZED BELOW.

SITE	# OF YEARS NOT REACHING 100/ REACHING 100
CLL	9/ 41
IAH	19/ 31
HOU	33/ 17
GLS	46/ 4

GIVEN THE DATA ABOVE IT SHOWS THAT YEARS WITHOUT REACHING 100 DEGREES ARE RARE THE FARTHER INLAND ONE GOES. FOR EXAMPLE... AT COLLEGE STATION THE SITE HAS FAILED TO REACH 100 DEGREES ONLY 9 TIMES IN THE PAST 50 YEARS (OR 18% OF THE TIME). NEAR THE COAST (SUCH AS GALVESTON) NOT REACHING 100 HAPPENS MOST OF THE TIME. IN FACT IT IS VERY RARE FOR GALVESTON TO REACH 100 DEGREES IN A YEAR (ABOUT ONLY 8% OF THE TIME IN THE PAST 50 YEARS). SO THIS YEAR IS UNUSUAL DEPENDING UPON WHERE YOU ARE.